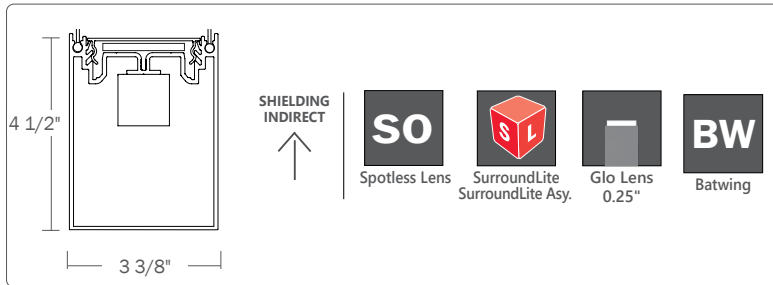
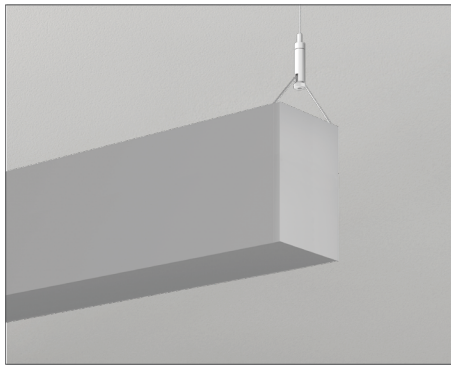


Beam 3 | Pendant mount - Indirect



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING I
1200 lm/ft	8.5 W/ft	141 lm/W	0.25G
1200 lm/ft	8.6 W/ft	139 lm/W	SO
1200 lm/ft	9.2 W/ft	130 lm/W	SLA
1200 lm/ft	8.7 W/ft	141 lm/W	SL
1200 lm/ft	8 W/ft	149 lm/W	BW

Please consult factory for custom lumen output and wattage.

Declare.



Ordering Guide

TB3ILED											
PRODUCT ID		NOM. LUM/FT UP		CRI		COLOR TEMP. (choose one)		SHIELDING			
TB3ILED	BEAM3	300	300 lm/ft - Minimum	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White	SO	Spotless lens
	Pendant Indirect LED	1200	1200 lm/ft - Maximum	90	90 CRI*	30	3000 K	TW2765	2700-6500 K - Tunable White	SL	SurroundLite
						35	3500 K	BTW3527	3500-2700 K - Tunable BIOS	SLA	SurroundLite asymmetric
						40	4000 K	BTW4027	4000-2700 K - Tunable BIOS	0.25G	0.25" Glo lens
						B30	3000 K - BIOS*			BW	batwing*
		Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS		* Not available with BIOS.		Consult Aixtune technical sheet for more information of color technology. *Consult BIOS guide for more information on BIOS technology		Choose only one of the options above * Not available with Tunable White or BIOS.			

LENGTH (FT)	FINISH	VOLTAGE	DRIVER	CIRCUITS
2 2'	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit
3 3'	W white	277 277 V	LT(#) Lutron *	2 2 circuits
4 4'	BLK black	347 347 V	BI bi-level dimming	+E(#) emergency circuit*
5 5'	C custom	UNV universal	O(#) other **	+NL(#) night light circuit*
8 8'		DC low voltage*	DPB(STC) dimming (0-10V) 1% with BIOS*	+GTD(#) generator transfer device*
12 12'			DPB(DYN) Bio-dimming™ 100%-81% with BIOS*	+M MR
SL System Run			TW(#) tunable white drivers*	
			POE(#) POE drivers*	
		* Only available with POE drivers.	* See page 2 to specify system ** Please consult factory; see page 2 Consult factory for other control options.	*Specify quantity

MOUNTING/SUSPENSION	BATTERY (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
CA(#) drywall+cable length (36" std.) CT9(#) TB/TG 9/16+cable length (36" std.) CT15(#) TB/TG15/16+cable length (36" std.) CTS(#) screw slot+cable length (36" std.) SA(#) drywall+stem length >48" (18" std.) CASL(#) drywall cable sloped ceiling SASL(#) drywall stem sloped ceiling	B(#) battery pack (integral)	DS(#) daylight sensor OS(#) occupancy sensor DOS(#) daylight & occupancy sensor EN(#) Enlighted integral* ENR(#) Enlighted remote* WC(#) wireless control dimming	C custom
See Mounting kit guide for full specification code. White canopy standard	Minimum 5ft Not available with 347V Please consult factory	*Please consult factory Specify quantity. Requires 8" blank. See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.	Please specify

CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) Up to 70% recycled content
End Cap	Cast aluminum
Interior Brackets	Die formed sheet steel (20 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Lenses	Extruded acrylic (0.070" nominal)
Hanger	Die cast aluminum
Suspension	Sliding aircraft cable along product length

ELECTRICAL

Lutron driver	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
BIOS DPB drivers*	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

*Choose driver from available options.

i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

SYSTEM (S#)

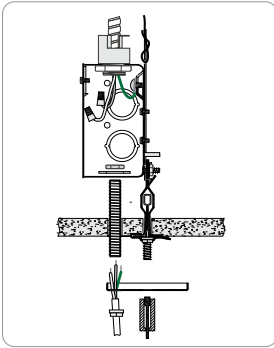
BEAM 3 linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM 3 that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination of 4', 8' and/or 12' sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the BEAM installation sheets available for download at www.axislighting.com.

LED SYSTEM

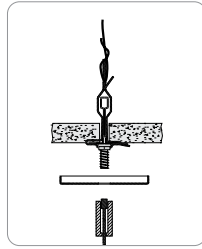
CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104°F).

● MOUNTING OPTIONS

CT TILE CEILING - ON GRID

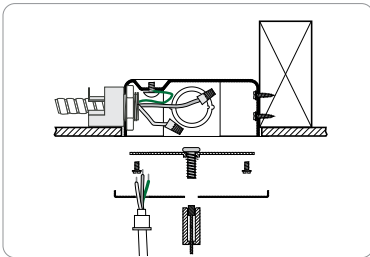


Power feed

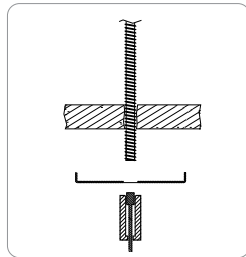


Non power feed

CA DRYWALL CEILING

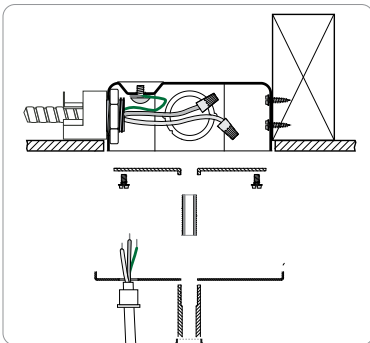


Power feed

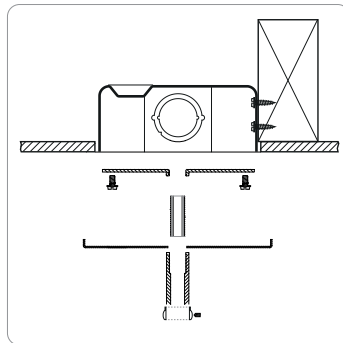


Non power feed

SA STEM MOUNT IN DRYWALL CEILING



Power feed



Non power feed

● OTHER MOUNTING OPTIONS

BEAM3 SurroundLite is also available with wall mounted option.

i Specification sheets and installation sheets for all mountings for BEAM 3 luminaires are available for download at www.axislighting.com

● WEIGHT

Pendant Indirect LED 4 ft	12.3 lbs / 5.0 kg
Pendant Indirect LED 8 ft	24.6 lbs / 10.1 kg
Pendant Indirect LED 12 ft	36.9 lbs / 15.1 kg

● FINISH

Aluminium paint, powder coated and custom finishes are also available.

● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● APPROVALS

Certified to UL and CSA standards
Meets NYC requirements
Meets ADA requirements.
Suitable for damp locations.



Declare.

Beam 3 Axis Lighting

Final Assembly: Montreal, Quebec, Canada
Life Expectancy: 7 Year(s)
End of Life Options: Recyclable (87.5%), Landfill (12.5%)

Ingredients:

Recessed Housing: Aluminum 6063; Aluminum hydroxide; Titanium dioxide; Barium sulfate; 1,3,5-Triglycidyl-s-triazinetrione; **Extruded White Beam:** Aluminum 6063; Petroleum distillates; Titanium dioxide; Xylene; 1,2,4-Trimethylbenzene; 2-Butoxyethanol; 2-Pentanone, 4-hydroxy-4-methyl-; Aromatic 100 (Aromatic naphtha, type 1); Ethanol; Ethylbenzene; n-Butanol; Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-(1-methylethylidene) bis(4,4'-phenyleneoxymethylene)bis[oxirane]; Aluminum hydroxide; Toluene; **Lens:** Polymethyl methacrylate; **Reflector:** Aluminum 5052; Polyester Resin; Titanium dioxide; Calcium Carbonate; 1,3,5-Triglycidyl-s-triazinetrione; **End Plate:** Aluminum; Silicon; Copper; Phenol, polymer with formaldehyde; **Bracket:** Steel manufacture, chemicals; (R)-1-chloro-2,3-epoxypropane; Lycopodium (powder); Pitch, gilsonite; **Cover:** Steel; **Small Hardware:** 18-8 Stainless Steel; **Wire 1:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 2:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 3:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 4:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 5:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **3-Way Connector:** Poly[imino(1,6-dioxo-1,6-hexanedyl)imino-1,6-hexanedyl]; Iron; Copper; **Flange Cap:** Polyvinyl chloride

Living Building Challenge Criteria:

I-13 Red List:
☐ LBC Red List Free
☐ LBC Red List Approved
☒ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: Not Compliant
I-14 Responsible Sourcing: Not Applicable

AXS-0001
EXP. 01 OCT 2024
Original Issue Date: 2023

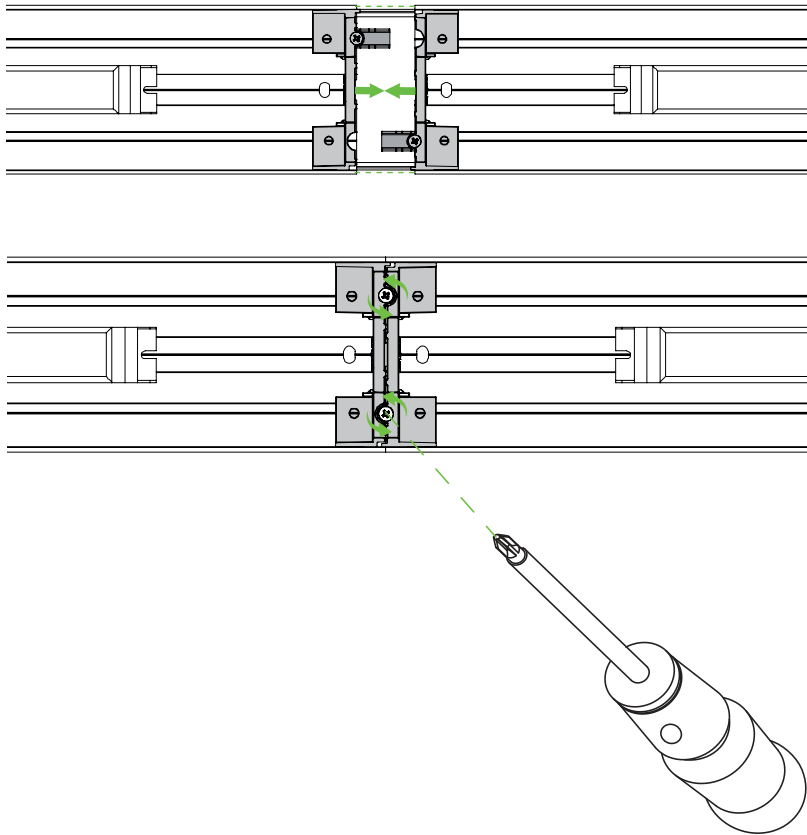
MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

● JOINERS

BEAM 3 luminaires feature the joining mechanism shown below. This mechanism joins and aligns multiple luminaires to create long continuous runs of light.

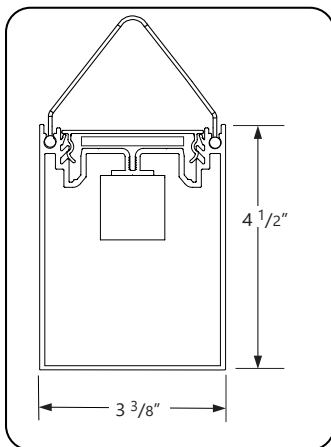
NOTE: Mount each system segment individually.

Do not assemble system prior to mounting

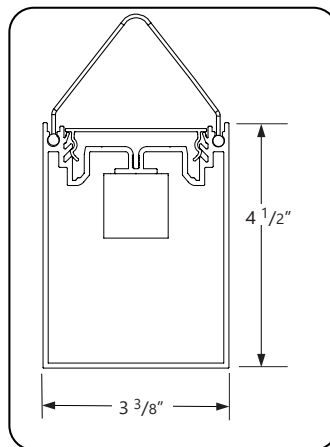


● SECTION VIEWS

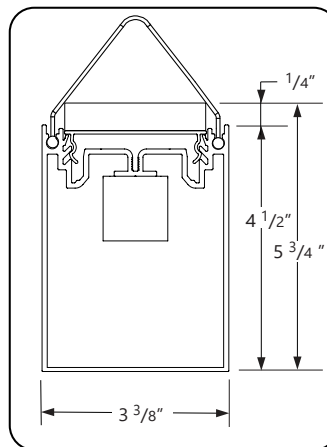
SL SurroundLite
SLA SurroundLite Asymmetric



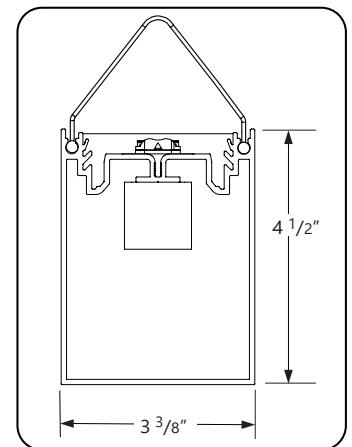
SO Spotless lens



0.25G Glo Lens



BW Batwing

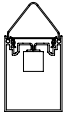


Beam 3 | Pendant mount - Indirect

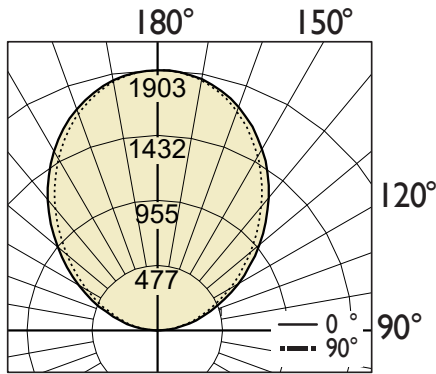
● PHOTOMETRIC DATA

SO Spotless lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
 Total Lumens: 4800 lm (for 4ft)
 Input Watts: 34.5 W
 Efficacy: 139 lm/W
 IES FILE: TB3ILED-1200-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

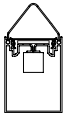
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	8	6	6	5	4
95	79	78	73	64	60
105	279	275	273	270	270
115	532	525	520	514	514
125	816	810	804	796	795
135	1115	1107	1099	1095	1094
145	1401	1390	1386	1382	1380
155	1643	1636	1632	1629	1628
165	1815	1812	1809	1807	1808
175	1899	1897	1896	1897	1897
180	1909	1909	1909	1909	1909

ZONAL LUMENS

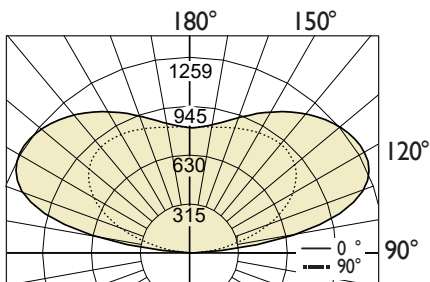
Zone	Lumens
90	
90-100	85
100-110	296
110-120	523
120-130	726
130-140	855
140-150	871
150-160	753
160-170	510
170-180	180
180	

SL SurrounLite

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
 Total Lumens: 4918 lm (for 4ft)
 Input Watts: 34.9 W
 Efficacy: 141 lm/W
 IES FILE: TB3ILED-1200-80-35-SL-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	8	5	5	6	6
95	79	156	167	29	26
105	352	447	627	896	1032
115	631	705	861	1097	1239
125	827	881	999	1162	1254
135	927	971	1056	1160	1210
145	948	985	1046	1112	1137
155	923	948	993	1031	1043
165	887	899	920	940	944
175	863	865	868	871	871
180	859	859	859	859	859

ZONAL LUMENS

Zone	Lumens
90	
90-100	190
100-110	675
110-120	877
120-130	908
130-140	819
140-150	653
150-160	455
160-170	260
170-180	83
180	

i All IES files are available for download at: www.axislighting.com

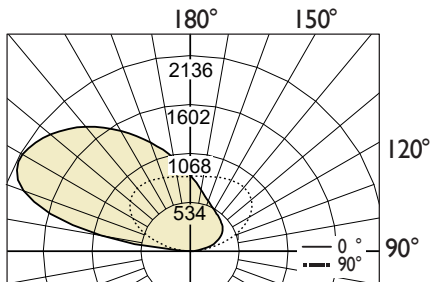
● PHOTOMETRIC DATA

SLA SurrounLite Asymmetric

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
Total Lumens: 4800 lm (for 4ft)
Input Watts: 36.9 W
Efficacy: 130 lm/W
IES FILE: TB3ILED-1200-80-35-SLA-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	6	5	7	8	8
95	81	82	56	39	36
105	370	296	262	238	230
115	648	495	414	373	361
125	828	635	512	451	434
135	908	707	569	495	473
145	916	730	602	529	506
155	886	739	632	572	551
165	851	755	683	642	629
175	828	794	770	758	756
180	835	835	835	835	835

ZONAL LUMENS

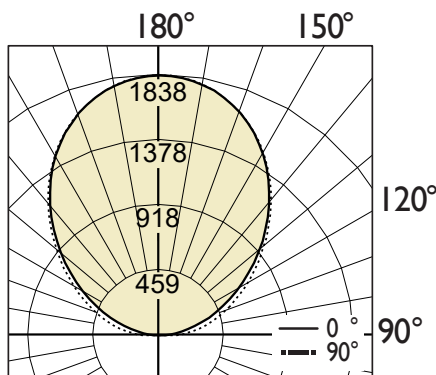
Zone	Lumens
90	
90-100	165
100-110	657
110-120	892
120-130	907
130-140	797
140-150	622
150-160	430
160-170	248
170-180	81
180	

0.25G 0.25" Glo Lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
Total Lumens: 4800 lm (for 4ft)
Input Watts: 34 W
Efficacy: 141 lm/W
IES FILE: TB3ILED-1200-80-35-0.25G-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	8	33	68	98	108
95	76	104	141	171	181
105	255	281	322	354	364
115	491	514	544	572	582
125	768	783	805	821	826
135	1062	1069	1083	1090	1092
145	1346	1346	1352	1356	1357
155	1583	1583	1584	1585	1586
165	1749	1749	1750	1749	1749
175	1829	1829	1830	1830	1830
180	1837	1837	1837	1837	1837

ZONAL LUMENS

Zone	Lumens
90	
90-100	150
100-110	336
110-120	536
120-130	715
130-140	830
140-150	842
150-160	726
160-170	491
170-180	173
180	

i All IES files are available for download at: www.axislighting.com

Beam 3

Pendant mount - Indirect

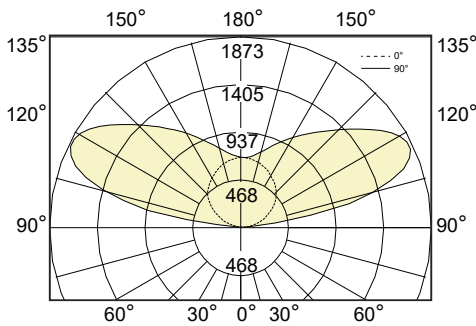
● PHOTOMETRIC DATA

BW Batwing

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
Total Lumens: 4800 lm (for 4ft)
Input Watts: 32.12 W
Efficacy: 149 lm/W

IES FILE: TB4ILED-1200-80-35-BW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	3	3	3	4	4
95	33	110	254	116	73
105	142	231	839	1326	1314
115	255	342	830	1600	1815
125	366	457	827	1403	1656
135	462	547	829	1185	1354
145	532	600	801	1023	1120
155	595	636	755	880	933
165	647	661	711	759	780
175	678	678	684	688	691
180	683	683	683	683	683

ZONAL LUMENS

Zone	Lumens
90	
90-100	272
100-110	858
110-120	971
120-130	857
130-140	692
140-150	523
150-160	357
160-170	204
170-180	66
180	

i All IES files are available for download at: www.axislighting.com